

FIG. 1

A

ANCESTRAL TRACE FOR AMISH STUDY BIPOLAR PEDIGREES

PROGENITOR
CIRCA 1750

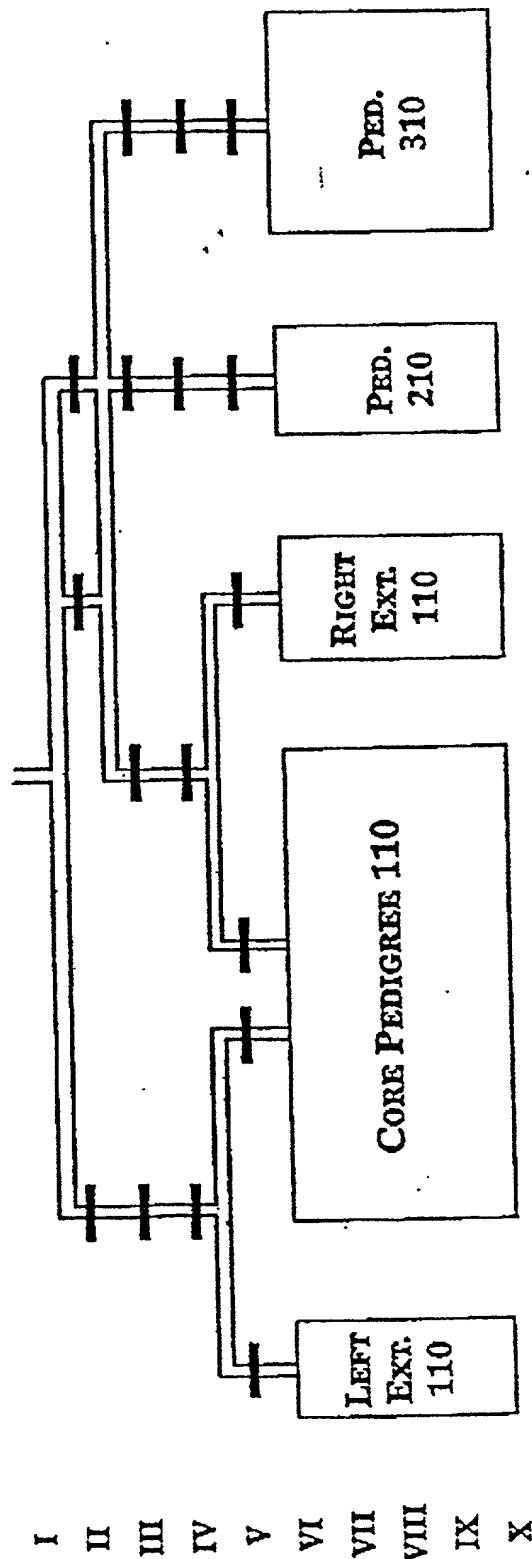


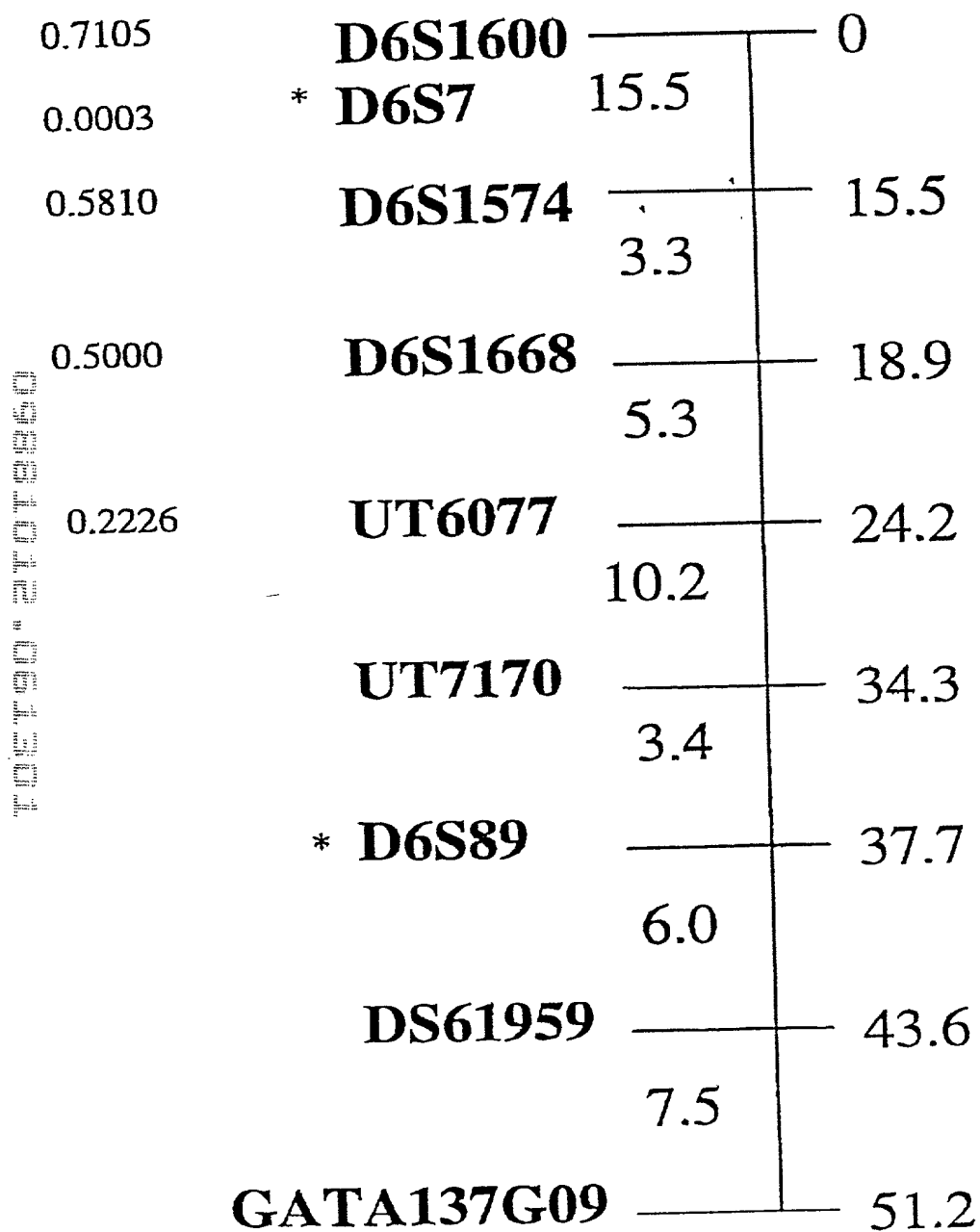
FIG. 2



CLASS BOUNDS

MAX LOD SCORES

SIBPAL
P



* = NG markers/values

Figure 3

[illegible][illegible][illegible]

SIBPALP

0.1449

0.0411

0.2091

0.0114

0.0003

0.0433

0.0217

0.1020

D15S114

299yf

D15S131

D15S153

* D15S36

* D15S45

D15S159

* D15S148

135yc

D15S1033

D15S150

D15S38

* D15S117

GATA153F11

D15S962

D15S48ml

189yc

11.1

5.8

7.8

7.6

1.5

1.4

1.7

5.6

5.1

1.2

2.4

0.0

11.1

16.8

24.6

32.2

33.6

35.0

36.7

42.3

47.4

48.6

Figure 5

[illegible]

4 p locus

Figure 6

SIBPAL P

	D4S100	7.4	0.0
	D4S406	3.9	7.4
	D4S1611		
	D4S101t		
	UT7739	3.7	11.4
	D4S1573	2.6	15.0
<0.0001	D4S402	1.2	17.6
0.0001	D4S109		
	D4S427	8.6	18.9
	D4S1615	8.4	27.5
	D4S2959	5.6	35.9
	D4S1576	4.5	41.5
	D4S422	1.4	46.0
	D4S2423	1.8	47.4
<0.0001	D4S422a	2.6	49.2
<0.0001	D4S175		
	D4S397		
	D4S3334	2.5	51.8
	D4S1644	3.4	54.3
	D4S192		
	D4S1565		
	UT2147	2.7	57.7
0.0003	D4S424	2.2	60.4
	D4S420		
	D4S1625	4.8	62.6
	UT1264	15.3	67.3
	D4S413		82.7
	GATA8A05		

4g Health (Na 96)

Figure 7

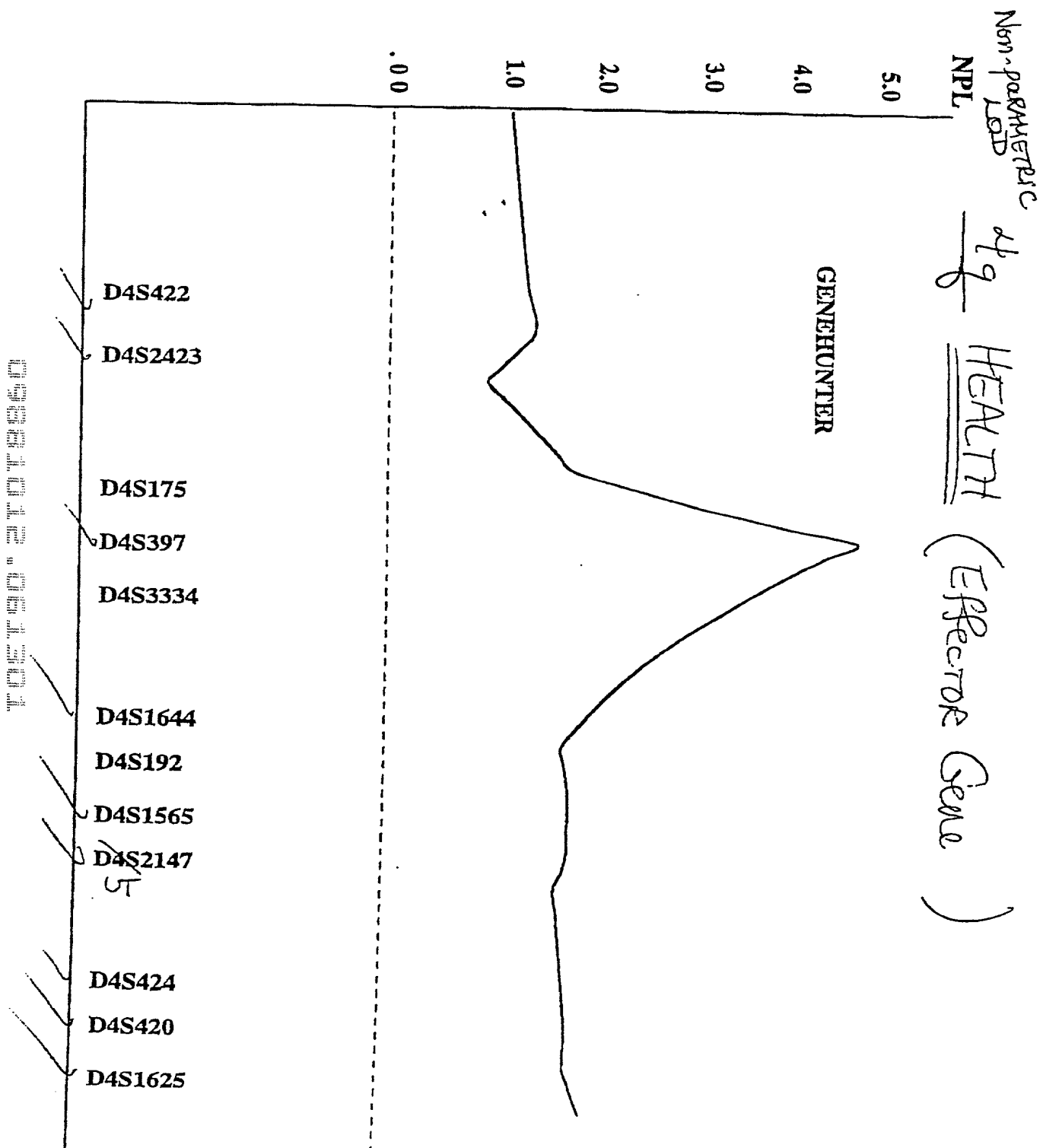


Figure 8

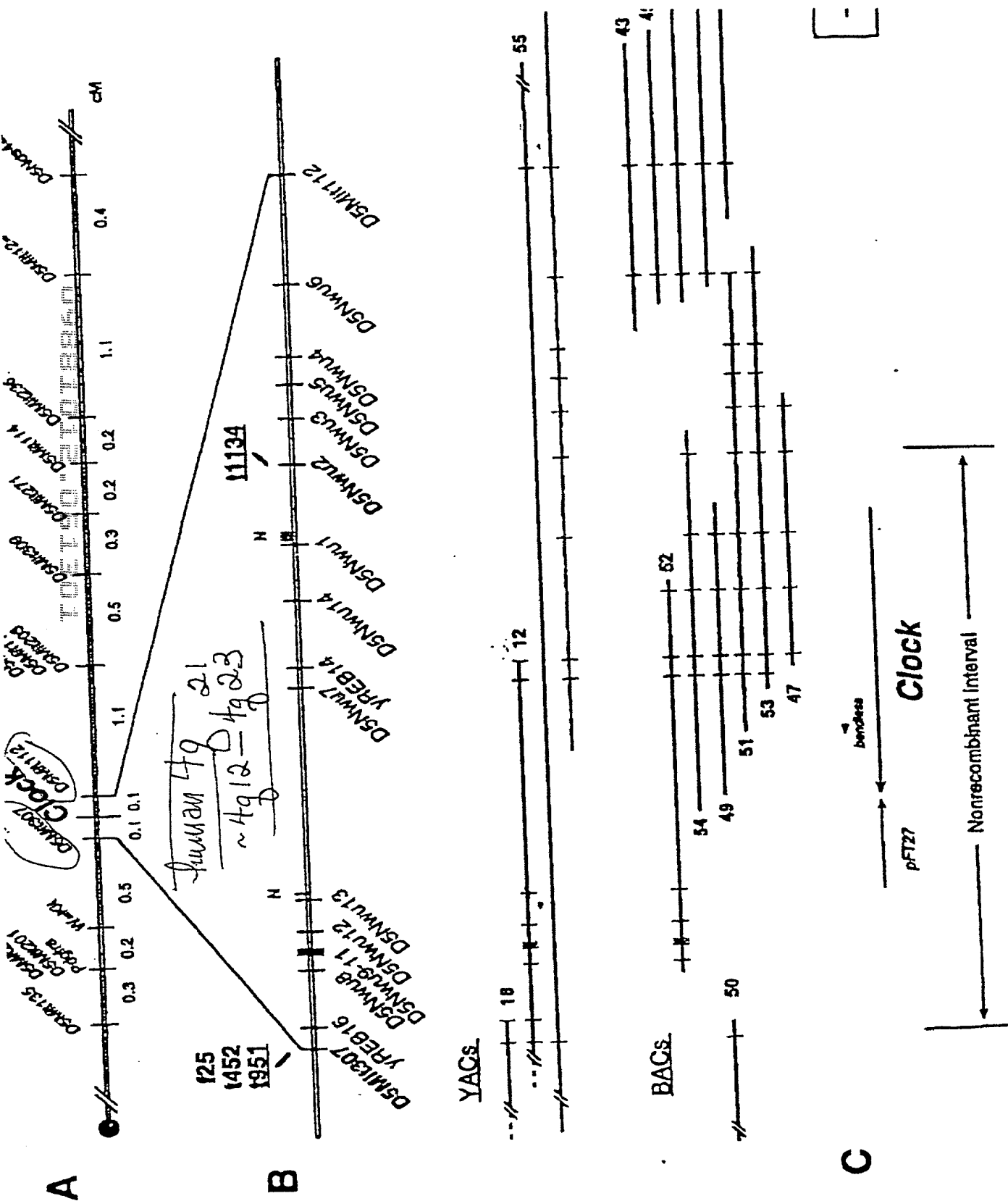


Figure 9

AMISH STUDY BIPOLAR PEDIGREE EXTENSIONS

PROGENITOR

1700-1750

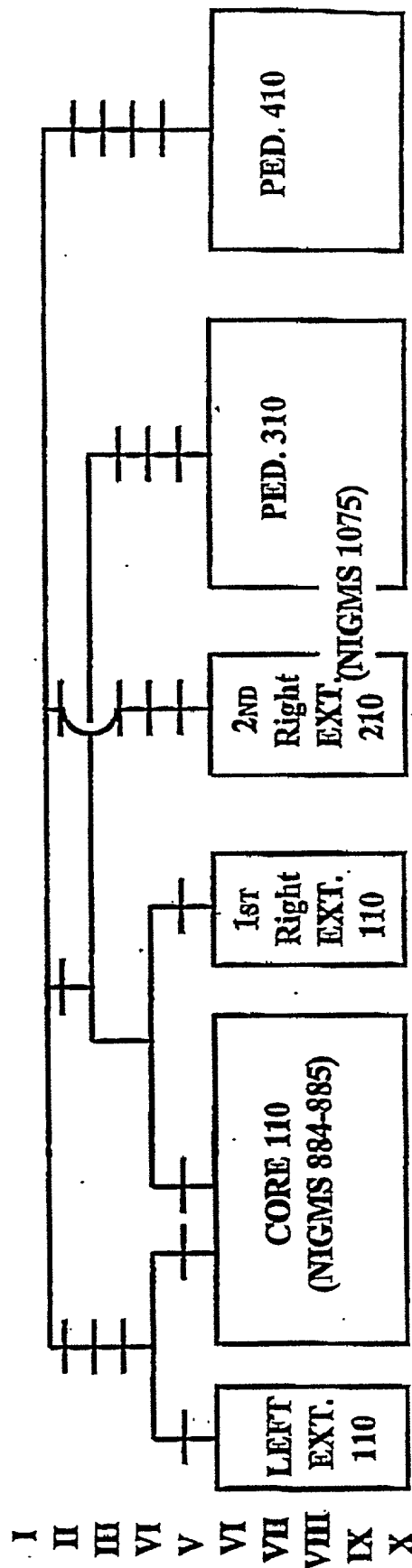


Figure 10

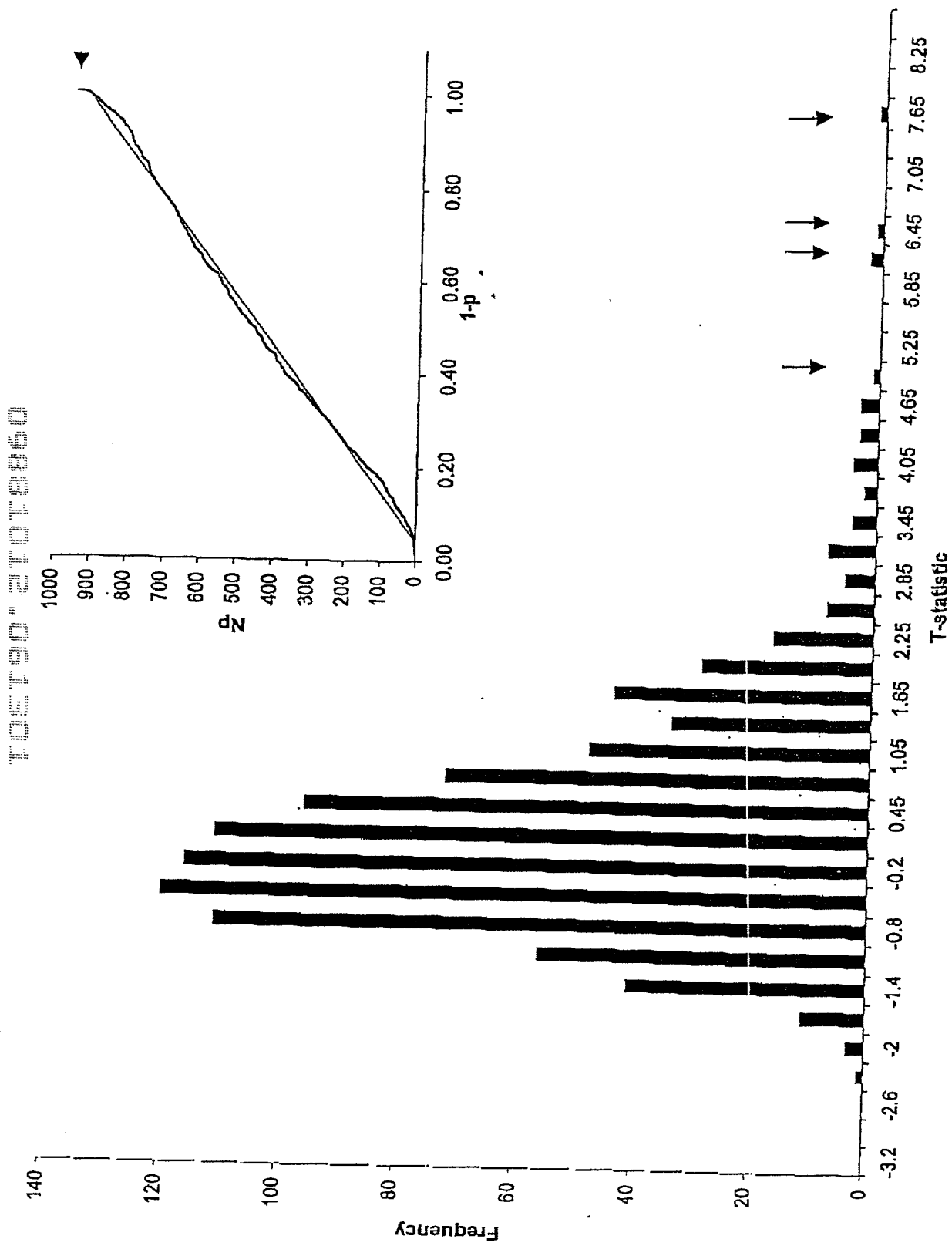


Figure 11

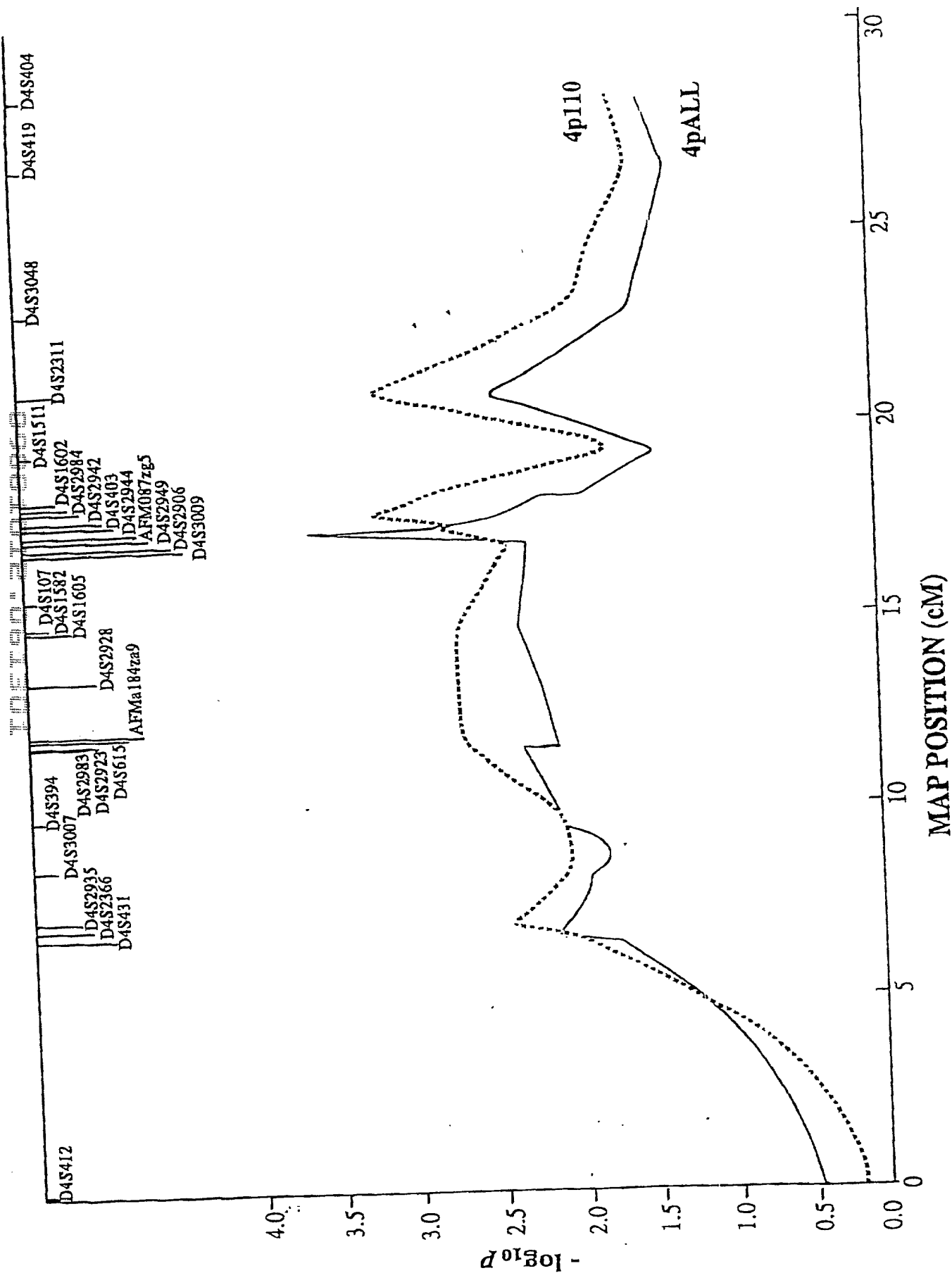


Figure 12A

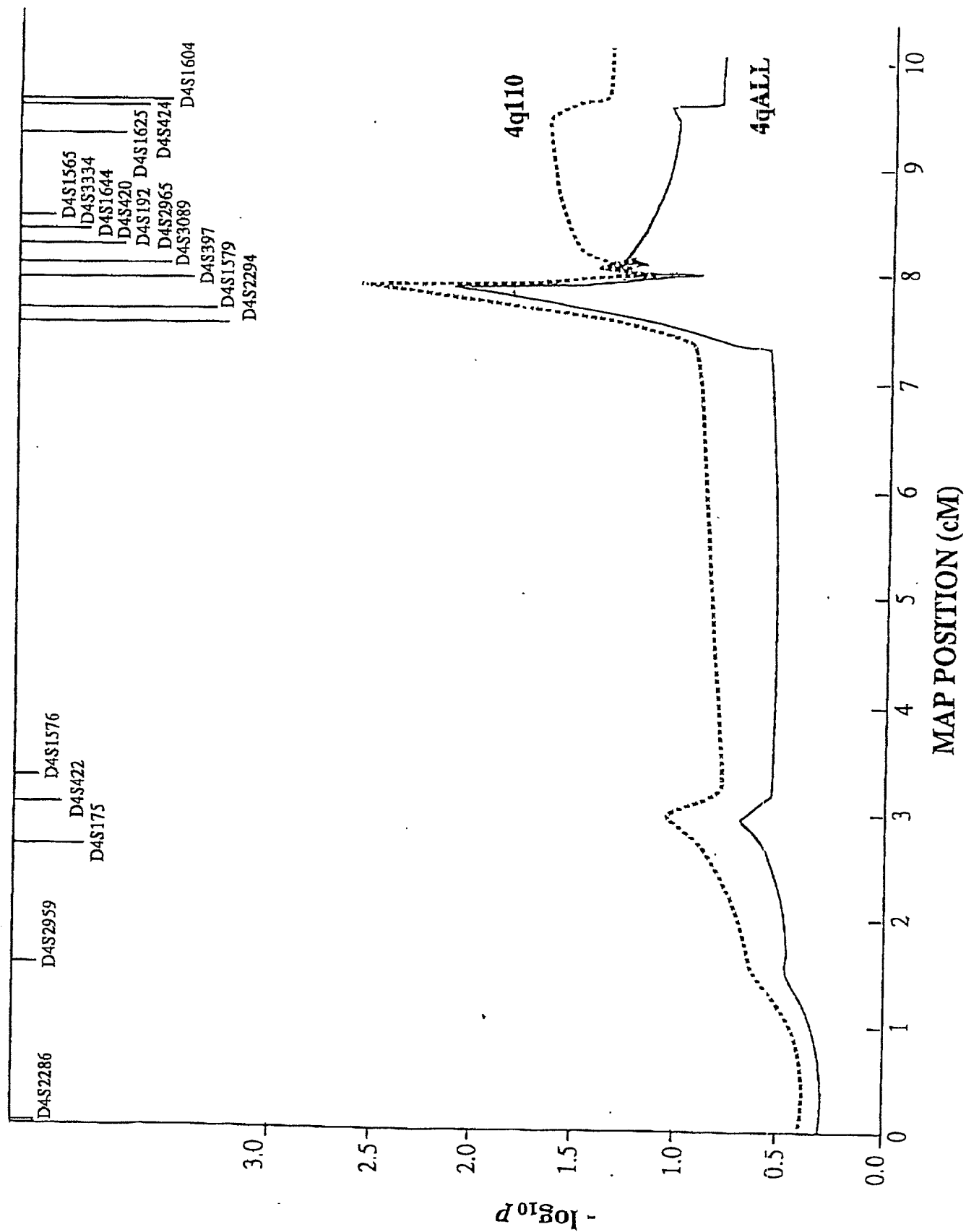


Figure 12B